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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/780,657 | 02/19/2004 | Yu-sen Lin | MR1111-1231 | 2203 |

4586 7590 10/12/2004

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ELLICOTT CITY, MD 21043

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| EXAMINER |
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MARSH, STEVEN M

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| ART UNIT | PAPER NUMBER |
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3632

DATE MAILED: 10/12/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/780,657

Applicant(s)

LIN, YU-SEN

Examiner

Steven M Marsh

Art Unit

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[Handwritten signature]

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
 - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
 - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
 - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 19 February 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1 and 2 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1 and 2 is/are rejected.
- 7) ☒ Claim(s) 1 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: _____

DETAILED ACTION

This is the first office action for U.S. Application 10780,657 for a Spiral Spring for a Liquid Crystal Display Stand filed by Yu-sen Lin on February 19, 2004.

Claim Objections

Claim 1 is objected to because of the following informalities: Line 7 of Claim 1, after the words "another end" the word - - is - - should be inserted. Appropriate correction is required.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1 and 2 are rejected under 35 U.S.C. 103(a) as being unpatentable over the prior art cited by Applicant (shown in figs. 8 and 9) in view of U.S. Patent 5,462,547 to Weigum. The prior art cited by Applicant discloses a spiral spring (A3) for a liquid crystal display stand with a sliding base (A1) that has a slot (A2) and a pair of rails (A5) therein. There is a sliding block (A4) to be slid within the sliding base along the rails, whereby a top end of the sliding block is for a liquid display monitor (A6) to be seated and secured thereon. There is a spiral spring (A3) secured onto the sliding base and

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one end of the spiral spring is rolled on a shaft, while the another end is secured to a bottom end of the sliding block.

The prior art cited by Applicant does not disclose the spiral spring shaft as having two bending edges at respective sides to form an angle with respect to the spiral spring. Weigum teaches that the edges of a plate (or shaft) can be bent into an arc shape to strengthen the plate (see col. 3, lines 13-22). It would have been obvious to one of ordinary skill in the art at the time of the present invention to have bent the edges of the plate-like shaft of the spiral spring taught by the prior art cited by Applicant, into an arc shape as taught by Weigum, for the purpose of strengthening the shaft.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U.S. Patent 6,769,657 B1 to Huang

U.S. Patent 6,672,553 B1 to Lin

U.S. Patent 6,347,433 B1 to Novin et al.

U.S. Patent 6,796,537 B1 to Lin

The above patents disclose various types of LCD supports.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Steven Marsh whose telephone number is (703) 305-0098. The examiner can normally be reached on Monday-Friday from 8:00AM to 4:30 PM. Any inquiry of a general nature or relating to the status of this

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application or proceeding should be directed to the receptionist whose telephone number is (703) 308-2168. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.


Steven M. Marsh

September 28, 2004



LESLIE A. BRAUN
SUPERVISORY PATENT EXAMINER